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Please amend claims 34 and 35 as follows.

34. (Once amended) The method of claim [31] 30 wherein the [ligand is] adsorbent comprises an enzyme and the target analyte [is] comprises a substrate of, or an inhibitor for, the enzyme, or vice-versa.

35. (Once amended) The method of claim [31] 30 wherein the [ligand is] adsorbent comprises a hormone and the target analyte [is] comprises a cell surface receptor or an intracellular receptor of the hormone, or vice-versa.

Please add the following new claims.

-- 36. (New) The method of claim 30, wherein the adsorbent comprises a small organic molecule or a biopolymer.

37. (New) The method of claim 30, wherein the adsorbent comprises a cell. - NE

38. (New) The method of claim 30, wherein the adsorbent comprises a cell - NE
membrane.

39. (New) The method of claim 30, wherein the adsorbent comprises a virus. NE

40. (New) The method of claim 30, wherein the adsorbent comprises a chemically derivatized functional group. NE

41. (New) The method of claim 36, wherein the adsorbent comprises a nucleic acid.

deleted gen
protein-protein
peptide
w/ H₂

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42. (New) The method of claim 36, wherein the adsorbent comprises a polypeptide.

43. (New) The method of claim 36, wherein the adsorbent comprises a fusion protein.

44. (New) The method of claim 36, wherein the adsorbent comprises a cell surface receptor.

45. (New) The method of claim 36, wherein the adsorbent comprises a glycoprotein.

46. (New) The method of claim 36, wherein the adsorbent comprises an antibody.

47. (New) The method of claim 36, wherein the adsorbent comprises a carbohydrate.

48. (New) The method of claim 36, wherein the adsorbent comprises a lectin.

49. (New) The method of claim 30, wherein the target analyte comprises a small organic molecule or a biopolymer.

50. (New) The method of claim 30, wherein the target analyte comprises a cell.

51. (New) The method of claim 30, wherein the target analyte comprises a cell membrane.

52. (New) The method of claim 30, wherein the target analyte comprises a virus.

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53. (New) The method of claim 49, wherein the target analyte comprises a *NE* nucleic acid.
54. (New) The method of claim 49, wherein the target analyte comprises a polypeptide.
55. (New) The method of claim 49, wherein the target analyte comprises a fusion protein.
56. (New) The method of claim 49, wherein the target analyte comprises a cell surface receptor.
- ad* 57. (New) The method of claim 49, wherein the target analyte comprises a glycoprotein.
58. (New) The method of claim 49, wherein the target analyte comprises an antibody. *NE*
59. (New) The method of claim 49, wherein the target analyte comprises a carbohydrate.
60. (New) The method of claim 49, wherein the target analyte comprises a lectin.
61. (New) The method of claim 30, wherein the adsorbent comprises a nucleic acid and the target analyte comprises a protein, or vice versa.
62. (New) The method of claim 30, wherein the adsorbent comprises a DNA-binding protein and the target analyte comprises a DNA, or vice versa.

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63. (New) The method of claim 30, wherein the adsorbent comprises a protein and the target analyte comprises a protein.

64. (New) The method of claim 30, wherein the adsorbent comprises an antigen and the target analyte comprises an antibody, or vice versa.

65. (New) The method of claim 30, wherein the adsorbent comprises a protein and the target analyte comprises a genetic package, or vice versa.

66. (New) The method of claim 30, wherein the agent is a small molecule.

67. (New) The method of claim 33, wherein the combinatorial library is a peptide library, an antibody library or a genetic package library.

68. (New) The method of claim 30, wherein the desorption spectrometry is a laser desorption/ionization mass spectrometry.

69. (New) The method of claim 30, wherein the target analyte is detectably labeled with a fluorescent moiety or a radioactive moiety. --

REMARKS

Support for the amendments can be found throughout the specification, the claims, and the drawings, as originally filed. For example, support for new claim 36, 49, 63 and 64 can be found on, e.g., page 21, lines 16-21 of the specification. Support for new claims 37, 38, 50 and 51 can be found on, e.g., page 67, lines 29-30 of the specification. Support for new claims 39 and 52 can be found on, e.g., page 43, line 17 of the specification. Support for new claim 40 can be found on, e.g., page 27, line 28 to page 28, line 16 of the specification. Support for new claims 41, 42, 53 and 54 can be found on, e.g., page 49, line 32 of the specification. Support for new claims 43 and 55 can be found on, e.g., page 68, line 12 of the